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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,847	04/05/2004	Uri Adler	P-5778-US	3124

7590

07/21/2005

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EXAMINER

FERGUSON, MARISSA L

ART UNIT

PAPER NUMBER

2854

DATE MAILED: 07/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/816,847

Applicant(s)

ADLER ET AL.

Examiner

Marissa L. Ferguson

Art Unit

2854

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 May 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1,5, 8-13,18,20,22 and 23 are rejected under 35 U.S.C. 102(e) as being anticipated by Kamir et al. (US Publication 2002/0109663).

Regarding claims 1,11-13,18 and 20, Kamir et al. teaches a wide format printing apparatus and method (Figures 1,3 and 3A) including a plurality of printing sub-units (20C,20K,20M,20Y) being positioned to cover the width of a wide format substrate (12), a printing controller (14) to control the printing from the printing sub-units to print an image across the width of a wide format substrate and wherein printing of the sub-units prints an image narrower than the image printed across a wide format substrate (this is functional language and the controller 14 has the capability of performing this function). Please note that in claim 12, the limitation regarding printing narrower than the wide format image is not positively claimed as a method step.

Regarding claim 5, Kamir et al. teaches a method and apparatus comprising a printing controller (14) to enable analyzing of the output of a printing apparatus.

Regarding claims 8,22 and 23, Kamir et al. teaches a method and apparatus comprising an erasing unit (22) to erase non-fused toner images.

Regarding claim 9, Kamir et al. teaches a method and apparatus comprising a toner-recycling unit (48).

Regarding claim 10, Kamir et al. teaches a method and apparatus comprising a color toner separation unit (42).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2-4,6,7,14-17,19 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kamir et al. (US Publication 2002/0109663) in view of Narushima et al. (US Patent 6,831,755).

Regarding claims 2-4 and 19, Kamir et al. teaches the claimed invention and method with the exception of an image recognition unit including a colorimeter and pattern recognition system. Narushima et al. teaches a printer with image correcting capability with an imaging unit (142,147) that includes a colorimeter (Column 4, Lines 55-63) and a processor (22) for recognizing patterns. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Kamir et al. to include an image recognition unit with a colorimeter and pattern recognition system as taught by Narushima et al., since

Narushima et al. teaches that it is advantageous to perform color analysis in order to optimize and analyze printed images.

Regarding claims 6,7,14-17 and 21, Kamir et al. teaches the claimed invention with the exception of printing controller that enables tuning of the sub-units and adjusting the color output. Narushima et al. teaches a controller or controllers that operates with a processing system that in turns controls, tunes and adjust image data calculating units (Column 12, Lines 46-56, Lines 62-64, Column 13, Lines 1-5, Claims 22-24 and many references throughout the patent). It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention as taught by Kamir et al. to replace the controller thereof, with a controller that controls, tunes and adjust printing sub-units as taught by Narushima et al., since Narushima et al. teaches that it is advantageous to correct the differences in color tone or contrast between an image displayed in order to provide a clear, concise image.

Response to Arguments

3. Applicant's arguments filed 5/10/05 have been fully considered but they are not persuasive. Specifically regarding the added claim language, the examiner again notes that the controller 14 has the capability to perform and program the printheads to print narrower images.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

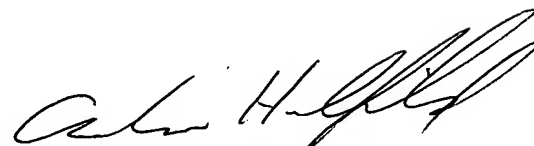
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marissa L Ferguson whose telephone number is (571) 272-2163. The examiner can normally be reached on (M-T) 6:30am-4:00pm and every other (F) 7:30am-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2854

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marissa L Ferguson
Examiner
Art Unit 2854



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